

CLAIMS

1. An electrical resistor assembly of the type affixed to a blower casing of a heating, venting, and air conditioning blower motor for resisting the flow of electricity to the blower motor from an electrical circuit,
5 said assembly including:

a connector;

a heat dissipater for dissipating heat generated by electrical current flowing through the circuit;

a housing holding said dissipater and said connector;

10 a seal for providing a leak proof mating surface between said assembly and the casing;

said housing including at least one catch for fixedly attaching said assembly to the casing and including at least one break-away element for providing access to said catch

2. An assembly as set forth in claim 1, wherein said assembly includes a connector for connecting said assembly to the electrical circuit.

3. An assembly as set forth in claim 2, wherein said at least one break-away element includes a notch for disconnecting said at least one break-away element from said housing.

4. An assembly as set forth in claim 3, wherein said at least one break-away element includes a tab for gripping said at least one break-away element.

5. An assembly as set forth in claim 4, wherein said housing includes a groove having said seal disposed therein, said groove traversing said at least one break-away element.

6. An assembly as set forth in claim 5, wherein said connector includes a plurality of pins for joining said heat dissipater to the electrical circuit.

7. An assembly as set forth in claim 6, wherein said heat dissipater comprises a ceramic plate.

8. An assembly as set forth in claim 7, wherein said housing comprises a material more rigid than the casing material.

9. A housing for affixing a heat dissipating electrical resistor to a blower casing of a heating, venting, and air conditioning blower motor, said housing including:

- 5 a seal for providing a leak proof mating surface between said housing and the casing;
opposing catches for fastening said housing to the casing; and
at least one break-away element for providing access to at least one of said opposing catches.

10. An assembly as set forth in claim 9, wherein said at least one break-away element includes a notch for disconnecting said at least one break-away element from said housing.

11. An assembly as set forth in claim 10, wherein said at least one break-away element includes a tab for gripping said at least one break-away element.

12. An assembly as set forth in claim 11, wherein said housing includes a groove having said seal disposed therein, said groove traversing said at least one break-away element.

13. An assembly as set forth in claim 12, wherein said at least one break-away element comprises opposing break-away elements, said opposing break-away elements providing access to each of said opposing catches.

14. A method for removing an electrical resistor assembly affixed to a casing of a heating, venting, and air conditioning blower, wherein said assembly includes opposing catches for affixing said resistor to said casing, said method comprising:

- 5 breaking a portion of said assembly;
 removing said portion from said assembly for providing access
to said catches;
 flexing the casing or catches for releasing the casing from said
catches; and
10 retracting said assembly from the casing.

15. A method as set forth in claim 14, wherein said step of flexing the casing or catches is further defined by inserting a tool between said catches and the casing.